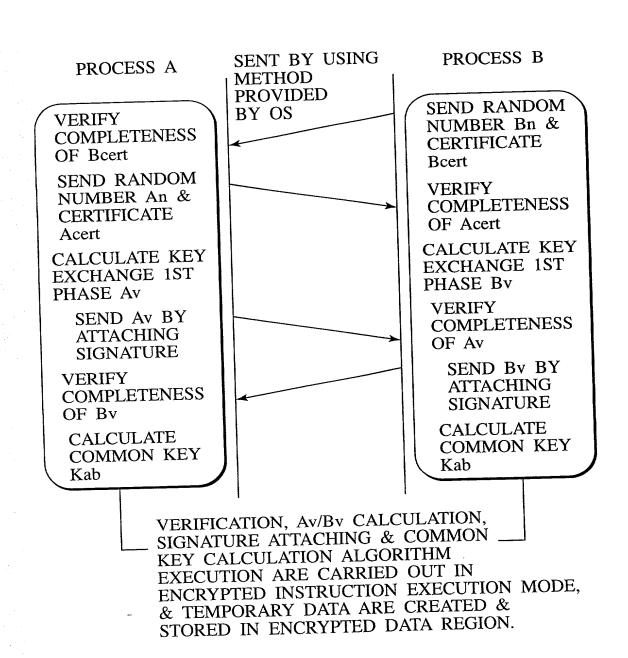


5/8							
.5 PROCESS B S91	SPECIFY Ekp[Ky] TO ENCRYPTED EXECUTION CODE/DATA REGION. PROCESSOR SETS START & END ADDRESSES & DECRYPTED KEY Ky IN ENCRYPTED ATTRIBUTE REGISTER.	SPECIFY KEY Khb FOR HIDDEN DATA REGION Hb. PROCESSOR SETS START & END ADDRESSES & KEY Khb IN ENCRYPTED ATTRIBUTE REGISTER WHILE HIDDEN DATA REGION Hb IS CREATED.	CALCULATE KEYS Kb & Xb NECESSARY FOR KEY EXCHANGE PROCEDURE BY D-H SCHEME. KEY Xb IS STORED IN HIDDEN DATA REGION Hb. KEY Kb CAN BE STORED IN ORDINARY DATA REGION Db.	SEND KEY Kb TO PROCESS A BY USING INTER- PROCESS COMMUNICATION FUNCTION (FOR PLAINTEXT) PROVIDED BY OS. Name	CREATE SHARED ENCRYPTED DATA REGION Sab' BY MAPPING Sab TO ADDRESS SPACE OF PROCESS B USING SHARING METHOD (attach) OF SHARED MEMORY PROVIDED BY OS. PROCESSOR SETS START & END ADDRESSES & COMMON KEY Kab IN ENCRYPTED ATTRIBUTE REGISTER.	T TO SHARED (READ, WRITE, ETC.) S100	
FIG.5	S82	S92	S93 S84 S84	\$85 \$85 \$95 \$85	8968	SSPEC	
PROCESS A S81 F	SPECIFY Ekp[Kx] TO ENCRYPTED EXECUTION CODE/DATA REGION. PROCESSOR SETS START & END ADDRESSES & DECRYPTED KEY Kx IN ENCRYPTED ATTRIBUTE REGISTER.	SPECIFY KEY Kha FOR HIDDEN DATA REGION Ha. PROCESSOR SETS START & END ADDRESSES & KEY Kha IN ENCRYPTED ATTRIBUTE REGISTER WHILE HIDDEN DATA REGION Ha IS CREATED.	NECESSARY FOR BY D-H SCHEME. EN DATA REGION Ha. ORDINARY DATA	SEND KEY Ka TO PROCESS B BY USING INTER-PROCESS COMMUNICATION FUNCTION (FOR PLAINTEXT) PROVIDED BY OS. **A CALCULATE COMMON KEY Kab BY USING Kb & Xa.	CREATE SHARED ENCRYPTED DATA REGION Sab TO BE SHARED BETWEEN PROCESSES A & B, & REGISTER Sab AS SHARED MEMORY IN OS. PROCESSOR SETS START & END ADDRESSES & COMMON KEY Kab IN ENCRYPTED ATTRIBUTE REGISTER.	OPERATIONS WITH RESPECT TO SHARED ENCRYPTED DATA REGION (READ, WRITE,	

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FIG.6



HOOLE COUNTY COUNTY COUNTY

	Kx Kha Kab Kac Kshare	Ky Khb Kab Kshare	Kz Khc Kac Kshare
ngeneralis	ea_1 ea_2 ea_3 ea_4 ea_5	ea_6 ea_7 ea_8	ea_10 ea_11 ea_12 ea_13
FIG.8	sa_1 sa_2 sa_3 sa_4 sa_5	sa_6 sa_7 sa_8 sa_9	sa_10 sa_11 sa_12 sa_13
FIG.8	212 213 214 215 215 221 221	222 223 224 225 231	232 233 234 235 235
	STATE OF ENCRYPTED ATTRIBUTE REGISTER AT TIME OF EXECUTING PROCESS A	STATE OF ENCRYPTED ATTRIBUTE REGISTER AT TIME OF EXECUTING PROCESS B	STATE OF ENCRYPTED ATTRIBUTE REGISTER AT TIME OF EXECUTING PROCESS C